

PROJECTED WORKS.—Advertisements have been issued for tenders, by 13th May, for the erection of a farm-house for Mr. S. Capron, Southwick, near Oundle, Northamptonshire; by 8th May, for the erection of a chapel at Newport, and for schools attached, &c., on plans furnished by Messrs. W. G. and E. Habershon, 38, Bloomsbury-square; by 27th May, for the erection of a Lunatic Asylum for Bucks, at Stone, on plans by Messrs. Wyatt and Brandon, Architects, 77, Great Russell-street, and for supplying cast and wrought iron columns, sashes, joists, and roofs for same; by 11th May, for the erection of a new aisle to the parish church, at Roade, Northamptonshire, planned by Mr. E. F. Law, of Northampton, architect; by 5th May, for the execution of certain works in building a sea-wall at Radipole, planned by Messrs. Jones and Johnson, architects, of 11, Fumival's-ion; by 1st May, for the erection of a church at Radipole, Weymouth, designed by Mr. Talbot Bury, architect, of 26, Golden-square; by 2nd May, for repair of gas columns, lanterns, burners, &c., and for painting and hgbtng with gas, for the commissioners for lighting Camden-town; by 1st May, for building a school-room and residence for the corporation of Sutton Coldfield; by 30th April, for the construction of 890 yards of road, including drains, &c., for Mr. John Townend Birkdale Vere, Uppertorpe; by 30th, for repairing Swallow-hill-bridge, at Darton, for Mr. Hartley, bridge surveyor, Pontefract; for the supply of paving, granite, flint, Kentish rag, and gravel, for the board for repair of highways, Saint Mary, Newington, Surrey; by 7th May, for supplying the Navy Storekeeper-General, Somerset-place, with soft melting pig-iron for Woolwich, Chatham, and Portsmouth dockyards; by 1st May, for the intended works at Hartburn-bridge, for the justices of the peace for Northumberland, at Morpeth; by 9th May, for the erection of baths and washhouses at Greenwich, designed by Mr. Robert Ritchie, of No. 8, Besley-place, Greenwich, architect; by 2nd May, for the erection of a telescope gasholder, 100 feet in diameter, and a condenser, with pipes, &c., for the Corporation Gas-works, Manchester; by 7th May, for the erection of the parochial schools and residence at Wribbenhall.—Mr. Robert Robinson, of Stourbridge, architect; and by 30th April, for the erection of a rectory-house, with stabling, &c., at Blendworth, Hampshire,—designed by Messrs. Habershon, of Bloomsbury-square, architects.

FALL OF SUSPENSION-BRIDGE AT ANGERS.—A dreadful loss of life has taken place by the fall of the bridge of the Basse Maine, in France, as most of our readers may have already heard. We are not aware that any scientific inquiry has yet been made into the precise manner in which the bridge failed and fell, but it is said, that in consequence of a body of troops having passed along in close column, in place of with proper precautionary division, the suspending rods at first gave way on one side, when a rush was made to the other side: the rods of that side then also broke, and the whole floor of the bridge fell, and with it several hundreds of the troops, a great part of whom were either wounded or pierced through with the bayonets and even the guns of their fellows, or drowned. The bridge was built about twelve years ago, and was repaired at a cost of about 36,000*fr.* only twelve months since. We should be sorry to see our London suspension-bridge exposed to such a test of the strength of its rods.

IMPROVEMENT OF THE NATIONAL GALLERY.—In the event of the Royal Academy giving up their rooms to the National Gallery, would it not both be desirable and practicable to make one uniform and connected building of it, by doing away with the present entrance to the barracks, and letting the troops pass under up arckway at the level of the basement, and from thence come out into Trafalgar-square by an inclined plane? The farthest entrance near St. Martin's Church might be done away with altogether, considering the little use it is of to the public.—W.

CONVEYANCE TO ARCHITECTS' INSTITUTE.—Earl de Grey opens his house to the members of the Institute of British Architects on Friday night next, and has invited many distinguished persons to meet them.

THE PROPOSED IMPROVEMENT ROUND ST. PAUL'S.—At a meeting of the City Commissioners of Sewers, on Tuesday, a letter was read from the chapter clerk of the cathedral, declining to agree to the projected clearance of the space adjoining the cathedral. The main objection of the dean and chapter just came to this,—that as the entrances from Cheapside and Ludgate-hill are still very narrow and obstructive to traffic, so must the space around St. Paul's remain in a like condition. The City Commissioners, however, have determined not to let the matter drop here, and have given directions to their Committee to adopt further measures for accomplishing the end in view, by an appeal to the highest authorities.

THE ARCHITECTURAL ASSOCIATION.—An ordinary meeting was held on Friday last, 19th inst., at Lyon's Ion Hall; Mr. Creegie in the chair. A brief discussion took place relative to the admittance to the forthcoming exhibition of architectural drawings in August and September. The chairman stated that the association had resolved to subscribe *£1.* towards the National Exhibition in 1851. Mr. Dudley then read a paper on "Nature and Art." The point principally dwelt upon was, the importance of designing with reference to the site on which the building is to be erected. That the ancients well considered this there could be no doubt: the buildings of the Egyptians and mediæval remains fully attested this fact. Furness Abbey was adduced as an example where the scenery and building repose together in harmonic design. An interesting discussion followed, in which the introduction of colour was particularly recommended, and the good effect which would be produced by gilding the dome of St. Paul's was remarked. The removal of the duty off bricks was alluded to as a means of extending their adoption for ornamental purposes. The practice pursued by Wren, of lavishing his ornament and displaying his ingenuity where it could be most appreciated, as may be seen by his churches, especially Bow, was touched upon.

ELECTRO-TELEGRAPHIC PROGRESS.—Mr. A. Mitchell, says a contemporary, has recently exhibited a newly-invented apparatus for transmitting messages and news by means of one wire. In exterior appearance this telegraph is not unlike a diminutive upright piano-forte. It contains a key-board, with as many keys as there are letters in the alphabet, besides five other keys for pre-arranged signals. Above this key there is a segmental dial, on which is painted the alphabet, a set of numerals, &c. On touching any of the keys on the key-board, the electro-magnetic circuit is established, and a finger points to the corresponding letter, figure, or word on the dial, at the stations connected in the circuit. Thus, by keys having a letter engraved on each, a child able to read and spell could transmit a message, and a child who can read and write could receive it. Mr. Mitchell states that the apparatus generally in use on British railways costs in construction about 150*l.* a-mile; but that he could fit up the new instrument at 30*l.* to 35*l.* per mile.—The submarine telegraph between Dover and Calais is to be opened to the public, it is said, on 4th May, the anniversary of the proclamation of the French Republic. A French commission, says the *Mining Journal*, "has been appointed to examine into the merits of the magneto-electric telegraph invented by Mr. Henley, with a view to its adoption by the French Government. A great saving, it is expected, will result from its adoption, as not only the expense and trouble of the voltaic battery are entirely dispensed with by the substitution of magnetic electricity, but wires of one quarter the usual weight are found sufficient for the purpose. The instruments tried in Paris, though very small, are said to be fully capable of working at least 1,000 miles, and the importance of this can readily be estimated, when it is known that for a distance of 300 to 400 miles only from five to six of the twenty-four cell voltaic batteries are required to work the telegraphs generally in use in England."

BURNING THE DEAD.—"The Pioneer Metropolitan Association," for promoting this practice, are to hold a public meeting "at the City of London Mechanics' Institute, Gould-square, Crutched-friars," on Friday, 3rd May.

DISFIGUREMENT OF LONDON BRIDGE.—In the Court of Common Council, the other day, great objections were made to the brick building now being raised on the Surrey side of London-bridge, near the Bridge House Tavern. We don't wonder at it. It is an ugly pile, sadly in the way.

PROFESSIONAL REMUNERATION.—In the case *Fowler v. Drake*, reported by us a short time ago, a rule for a new trial has been granted to the plaintiff, on the ground of the improper rejection of certain evidence, and also because the verdict was against the evidence in the cause.

HOXTON RAGGED SCHOOLS have been opened. The building cost 750*l.* We are told that it is in the Tudor style of architecture, with stone dressings. Its extreme length is 70 feet, breadth 20 feet, and the height 45 feet, and it is capable of accommodating 600 children, with offices for master and matron, &c.

SURVEYING BY MACHINERY.—A machine, it is said, has been invented in Philadelphia, which, if trundled over a tract of country, will give a more accurate survey for a railway, altitudes, depressions, and space included, than can be made by any other method, at the rate of fifteen miles a day.

SURVEYORS' TENDERS, CORK.—Proposals delivered to the guardians of the Cork Union, for a coloured map of the union; the town-land survey, 6 ins. to the mile, to be reduced to $\frac{1}{4}$ -inch to the mile:—

Doane, C.E.	£36	0	0
Bernard, C.E.	35	0	0
Deasy, Surveyor ..	21	10	0
Klein, C.E.	19	19	0
Jones, Architect ..	10	0	0

TENDERS

For building a new college with residence attached at St. John's-wood; Mr. W. Emmett, architect:—

	College.	House.	Total Amount.
Harward and Nixon ..	£11,500	£2,490	£13,990
Little and Son ..	11,440	2,350	13,790
Jay ..	10,360	2,400	12,760
Rigby ..	10,240	2,230	12,470
Carter and Ellis ..	10,100	2,200	12,300
Abbey ..	10,850	2,220	13,070
Piper ..	9,990	2,110	12,100
Trego ..	9,820	2,010	11,830
Myers ..	8,770	1,900	10,670

For new vicarage house at Pilton, near Hitchin; Mr. F. Pouget, architect:—

Howard, London ..	£1,101	0	0
Utson, Stevenage ..	1,147	10	0
Geves, Hitchin ..	1,071	0	0
Kirby and Co., Tottenham ..	1,065	13	0
Butterfield, Hitchin ..	1,016	0	0
Wood, Islington (accepted) ..	1,234	0	0

For national schools in the Trinity Church district, Margate; Mr. Cavell, architect:—

Jenkins ..	£1,013	0	0
Duckett (accepted) ..	983	0	0
Fisher and Son ..	945	0	0

MEETINGS OF SCIENTIFIC BODIES

To be held during the ensuing week.

Thursday, April 26.—Institution of Civil Engineers, 8 p.m.

Thursday, May 2.—Royal Society, 8½ p.m.; Society of Antiquaries, 8 p.m.

Friday, May 3.—Archæological Institute, 4 p.m.; Architectural Association, 8 p.m.

BUILDINGS AND MONUMENTS.

MODERN AND MEDIÆVAL;

Being illustrations of the Edifices of the Nineteenth Century, and of some of the Architectural Works of the Middle Ages.

By GEO. GODWIN, F.R.S.,

Fellow of the Institute of Architects; Corresponding Member of several Societies.

Part VII. of this work, price 2*s.* 6*d.* will be published on Wednesday next, containing views of the Royal Lyceum Theatre; Church of the Immaculate Conception, Farm-street, Grosvenor-square; the Church of La Villotte, Paris; St. Augustine's College, Canterbury; St. Peter's Hospital, Wandsworth; the Printers' Almshouses, Wood-green, Tottenham; Custom-house, Roper; the Chapter-house, Chester Cathedral; with descriptive letter press and numerous details.

Part VIII. will be published June 1, and will complete the work. To prevent disappointment, the names of parties intending to take the work when completed should be sent forthwith.

To be had at the Office of "The Builder," 2, York-street, Covent Garden, or, by order, of any Bookseller.